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L4: Entry 4 of 12   File: PGPB   Dec 5, 2002

DOCUMENT-IDENTIFIER: US 20020184235 A1
TITLE: Utility mapping and data distribution system and method

Detail Description Paragraph:
[0051] For example, an above-ground or downhole GPR or seismic/acoustic utility
detectors may be used to perform subsurface imaging for purposes of detecting
buried utilities and obstacles. Various techniques for detecting subsurface
structures and objects and for characterizing subsurface geology are disclosed in
commonly assigned U.S. Pat. Nos. 5,720,354, 5,904,210, 5,819,859, 5,553,407,
5,704,142, and 5,659,985, all of which are hereby incorporated herein by reference
in their respective entireties. An exemplary approach for detecting an underground
object and determining the range of the underground object using radar signals is
described in U.S. Pat. Nos. 5,867,117 and 6,225,941, which are hereby incorporated
herein by reference in their respective entireties.

Detail Description Paragraph:
[0056] According to one embodiment, a utility detection system of the present
invention is provided on a portable platform(s) and towed by a small vehicle, such
as an all terrain vehicle (ATV). In this system deployment, utility detection data
is preferably acquired at collection speeds between about 2 and 5 mph for depths of
at least 15 feet or more.

CLAIMS:

66. The apparatus of claim 47, wherein the processor generates a map of the
detected utilities using the sensor data.

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Freeform Search

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Term:
```
11 and 12 and L3
```

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L4	11 and 12 and L3	12	L4
L3	(terrain or region) near2 vehicle	12386	L3
L2	map near2 process$3	10632	L2
L1	detect$3 near3 (obstacle$ or debris)	8203	L1

END OF SEARCH HISTORY